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DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)

Public Health Service

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September 22, 1988

National Toxicology Program; Chemicals (6) Nominated for Toxicological Studies; Request for Comments

SUMMARY: On July 27, 1988, the Chemical Evaluation Committee (CEC) of the **National Toxicology Program** (NTP) met to review six chemicals nominated for toxicology studies and to recommend the types of studies to be performed, if any. With this notice, the NTP solicits public comments on the six chemicals.

FOR FURTHER INFORMATION CONTACT: Dr. Victor A. Fung, Chemical Selection Coordinator, **National Toxicology Program,** Room 2B55, Building 31, National Institutes of Health, Bethesda, Maryland 20892, (301) 496-3511.

TEXT: SUPPLEMENTARY INFORMATION: As part of the chemical selection process of the National Toxicology Program, nominated chemicals which have been reviewed by the NTP Chemical Evaluation Committee (CEC) are published with request for comment in the Federal Register. This is done to encourage active participation in the NTP chemical evaluation process, thereby helping the NTP to make more informed decisions as to whether to select, defer or reject chemicals for toxicology study. Comments and data submitted in response to this request are reviewed and summarized by NTP technical staff, are forwarded to the NTP Board of Scientific Counselors for use in their evaluation of the nominated chemicals, and then to the NTP Executive Committee for decision-making. The NTP chemical selection process is summarized in the Federal Register, April 14, 1981 (46 Fr 21828), and also in the NTP FY 1987 Annual Plan, pages 17-19.

On July 27, 1988, the CEC met to evaluate six chemicals nominated to the NTP for toxicological studies. The following table lists the chemicals, their Chemical Abstract Service (CAS) registry numbers, and the type of toxicological studies recommended by the CEC at the meeting.

Chemical	CAS registry No.	Committee recommendations
Acrolein	107-02-8	Carcinogenicity Reproductive and developmental effects.
Acrylic acid	79-10-7	Carcinogenicity.
Aldicarb oxime	1646-75-9	Immunotoxicity.
Butanal oxime	110-69-0	Carcinogenicity.
Cyclohexanone oxime	100-64-1	Carcinogenicity.
1,1,2,2,-Tetrabromomethane	79-27-6	Carcinogenicity.

Three of the six chemicals have been previously selected for other types of toxicology studies by the NTP. Acrolein was weakly positive in Salmonella, negative for sex-linked recessive lethal mutations in Drosophila, and negative for chromosomal aberrations and sister chromatid exchanges in Chinese hamster ovary cells. Acrylic acid was non-mutagneic in Salomonella. Aldicarb oxime was non-mutagenic in Salmonella, and was negative for chromosomal aberrations and sister chromatid exchanges in Chinese hamster ovary cells.

In other related action, the Chemical Evaluation Committee endorsed the NTP staff recommendation to conduct additional carcinogencity studies of pentacholorophenol in F344 rats based on the commercial importance of the chemical, the significant carcinogenic effects observed in the recently completed two year studies in mice, and the lack of adequate carcinogenicity data in rats. The previous carcinogoenesis studies in Sprague-Dawley rats were judged not to be fully adequate.

The Chemical Evaluation Committee also selected zearalanol for testing in Salmonella.

Interested parties are requested to submit pertinent information. The following types of data are of particular relevance:

(1) Modes of production, present production levels, and occupational exposure potential.

(2) Uses and resulting exposure levels, where known.

(3) Completed, ongoing and/or planned toxicologic testing in the private sector including detailed experimental protocols and results, in the case of completed studies.

(4) Results of toxicological studies of structurally related compounds.

Please submit all information in writing by October 24, 1988. Any submissions recevied after the above date will be accepted and utilized where possible.

Dated: September 19, 1988.

David P. Rall,

Director, National Toxicology Program.

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